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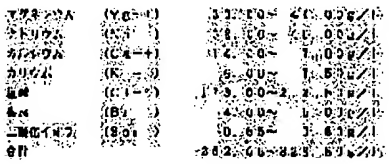
(71)Applicant : **HASUNUMA KYOTARO**
HANAOKA SHUSUKE
(72)Inventor : **HASUNUMA KYOTARO**
HANAOKA SHUSUKE

(54) BATHING COMPOSITION

(57)Abstract:
PURPOSE: To obtain a bathing composition excellent in skin humectant properties and effects on remarkable improvement in conditions such as skin texture, color and gloss and further in cleansing actions by using seawater of the Dead Sea or its salts.
CONSTITUTION: This bathing composition is obtained by blending seawater or its salts of the Dead Sea which is a salt lake situated in the inland at about 100km distance from the seashore of the Mediterranean Sea in West Asia and is excellent in skin beautifying actions (improving effects on rough skin, conditioning the skin to a fine texture, improving the color, glass and tenseness, etc.) or skin cleansing effects. The salt content of the seawater in the Dead Sea is nearly as shown in table I and the composition of the salts of the Dead Sea used herein is as shown in table II. The seawater or its salts in the bathing composition are capable of beautifying the skin horny layer, accelerating skin functions, restoring or improving the functions essentially possessed by the skin and keeping the skin in a normal state. When the composition is especially applied to an aged skin, remarkable effects are manifested. The seawater or its salts of the Dead Sea are preferably blended in an amount of ≥20wt.% for use.



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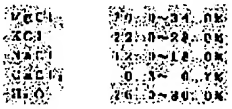

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DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[Industrial Application] this invention relates to the bath constituent which was excellent in the effect of excelling in the skin moistness which comes to use the seawater (for it to be written as D.S below) of the dead sea, and its salt (for it to be written as D.S-S below), and making states, such as texture of the skin, a color, and gloss, improving remarkably, and was excellent in the detergent action.
[0002]
[Description of the Prior Art] Although the sodium hydrogencarbonate, the sodium sulfate, the sodium chloride, etc. had been used in order to increase a moisturization operation on the occasion of bathing conventionally, in the field or detergent action of a beautiful skin effect, it could not be satisfied.
[0003] Then, as a result of inquiring wholeheartedly in view of the above-mentioned situation, when D.S and D.S-S use as a bath agent, this invention person was excellent in the beautiful skin effect which can give a wettability (gently admiration), flexibility (smooth feeling), elasticity (flare), and gloss to the skin, checks also having a skin detergent action by the antibacterial action to a skin normal bacterial flora further, and came to complete this invention.
[0004]
[Means for Solving the Problem] The purpose of this invention is to offer the constituent excellent in the lustrous skin operation or the skin pure (for flare to be received [improving the glow which prepares the surface folding improvement effect and texture finely,]) effect.
[0005] this invention is a bath constituent which comes to blend the seawater of the dead sea, or its salt.
[0006] The component used for this invention is the seawater of the dead sea, or its salt. The dead sea (Dead Sea) is a salt lake which is in about 100km inland from the mediterranean sea shore in Nishi Asia. The lowest portion of the Jordan fault valley is occupied, and the surface of a lake is low 397m, and the lowest than the mediterranean sea water surface on the earth. A length of about 81.6km, 17.6km of ****, the maximum depth mean depth of 146m of 399m, and the surface area of 1020km, the content of salinity is high and there is one about 5 times the concentration of seawater in the lake of 2. Since the salinity of the seawater (D. S) of the dead sea has the large dead sea like an ocean and it is not deep, although it changes according to the state of a season and a rainfall, the composition is as follows in general. The composition of the salt of the dead sea is as follows. magnesium (Mg++) 33.00- 41.00 g/l Sodium (Na+) 32.00- 40.00g/l. Calcium (calcium++) 14.00- 17.00 g/l Potassium (K +) 6.00- 7.50g/l. Chlorine (Cl-) 173.00 - 212.50 g/l Bromine (Br-) 4.00- 5.00 g/l sulfur dioxide (So2) 0.65 - 0.80 g/l Sum total The composition of the salt (D. S-S) of the dead sea used here 262.65 to 323.80 g/l again is as follows.
MgCl2 30.0-34.0%KCl 22.0 - 28.0%NaCl 12.0 - 18.0%CaCl2 0.3- 0.7%H2O Near solubility with the salt of 26.0 - 30.0% dead sea almost meltable in an uneven crystal and white powder no odor water = a non-melt remains in 100ml water (20 degrees C) slightly by 60g.
It is PH=9.0 of a solution. [0007] D.S and D.S-S which are blended into the bath constituent of this invention beautify a skin horny layer, restore or improve the function in which rose and the skin is originally equipped with the skin function, and hold the skin in the healthy state, and when applying to the skin which aged especially, a remarkable effect appears. Using on the basis of the total amount of a bath constituent 20% of the weight or more (it being hereafter written as Wt%), although it may be arbitrary makes it wish, it is, and the loadings of the aforementioned D.S are **.
[0008] moreover -- although arbitrary loadings are sufficient when using D.S-S -- more than 10Wt% -- blending wishes -- making -- it is -- **
[0009] The bath basis usually used can be used as other components blended with D.S or D.S-S in this invention. It can choose from the following components suitably if needed.
1) A mineral sodium chloride, a sodium hydrogencarbonate, a sodium carbonate, a boric acid, way sand, a sodium sulfate, a potassium sulfide, a sodium thiosulfate, calcium hydrogenphosphate, potassium chloride, an ammonium chloride, sodium phosphate, sodium sesquicarbonate, etc.
2) An inorganic-acids silicic acid anhydride, meta-silicic acid, etc.
3) An organic-acids citric acid, a tartaric acid, a malic acid, etc.
4) Fats-and-oils olive oil, soybean oil, an almond oil, castor oil, coconut oil, palm oil, a turtle oil, a bran oil, a jojoba oil, a mink oil, a yolk oil, squalane, an avocado oil, lanolin, a liquid paraffin, a white vaseline, etc.
5) Binder carboxymethylcellulose sodium, a methyl cellulose, sodium salt, casein, pectin, starch, a sodium alginate, polyvinyl

alcohol, a polyvinyl pyrrolidone, etc.
6) A polyhydric-alcohol glycerol, a propylene glycol, a sorbitol, a polyethylene glycol 1, 3-butylene glycol, etc.
7) Nature, synthetic perfume, etc., such as perfume lavender oil, jasmine oil, a rose oil, a lemon oil, orange oil, a peppermint oil, a Japanese iris oil, a fennel oil, a Japan cedar oil, the Khiva oil, a cypress oil, a rose oil, a eucalyptus oil, a camphor, peppermint oil, a spearmint oil, a geraniol, mandarin orange ****, a spruce, and a citronellol.
8) A pulverization object, its extracts, etc., such as a vegetable pulverization object and the hide of vegetable drug lemon, seaweed, a cypress, Khiva, U.S. bran, a Japanese iris, show KYOU, a liquorice, Aurantii nobllis pericarpium, a spruce, an angericae radix, a ginseng, peppermint, cinnamon, UBAI, sagebrush, Houttuynia, MOMONOHA, camomile, AROE, a jasmine, rose hips, lavender, a guava, a Scutellaria root, a Chinese matrimony vine, a lychee, NIWATOKO, an araliad, and burdock. Furthermore, the tar system coloring matter for a surfactant, amino acid, vitamins, a unregulated drug, and cosmetics etc. can be suitably blended with the bath constituent of this invention as other components if needed besides the above-mentioned thing.
[0010]
[Example] Although an example is given and this invention is explained concretely hereafter, this invention is not limited to these.
Like composition of examples 1-5 and the example of comparison 1 following, each bath constituent which blended D.S and D.S-S as given in Table 1 was adjusted to the bath basis, and many examinations were carried out.
[Table 1]

組成

		配合量Wt%
(A)	塩化カリウム	5．0
	塩化ナトリウム	5．0
	メタケイ酸	2．0
	グリセリン	1．0
	香料	0．9
	硫酸ナトリウム	総量を１００とする残量
(B)	D．S及びD．S－S	表２に記載

調製法

(A) 成分を混合撹拌し更に (B) 成分を入れ撹拌し均一にする。

[0011] 39-degree-C about 200l. hot water was stretched in the bathtub, and a bath was taken, after putting in and stirring 30g of bath constituents of this invention and dissolving them uniformly. The evaluation method was examined to 20 persons per state of the skin after using continuously for four weeks once per day, and was judged by the number of the person who accepted the surface folding improvement effect. Moreover, the number which performed the organic-functions test by the same operation, and accepted the humid operation was examined.
[0012]
[Table 2]

		D．S又はD．S－S等 配合量（Wt%）	荒肌改善 効果（人）	官能テスト（人） （潤調性）
比較例	1		5	7
実施例	1	D．S 20	10	13
	2	D．S 50	12	15
	3	D．S－S 10	15	14
	4	D．S－S 30	16	17
	5	D．S－S 50	19	18
	6	D．S 10 D．S－S 40	19	18

[0013] Each of surface folding improvement effects and examples with which the organic-functions test blended D.S and D.S-S compared with the example of comparison showed the outstanding result so that clearly from Table 2.
[0014]
[Table 3]

(Wt%)

組成	比較例2	実施例	
		7	8
D．S	—	60．0	—
D．S－S	—	—	50．0
塩化カリウム	8．0	8．0	8．0
塩化ナトリウム	5．0	5．0	5．0
CMC	0．1	0．1	0．1
グリセリン	1．0	1．0	1．0
香料	0．9	0．9	0．9
色素			
硫酸ナトリウム	総量を100とする残量		

It prepared according to the manufacture method of the usual bath agent.

[0015] The average was taken having used [evaluation was performed according to the bathing method of Table 2, and evaluated each evaluation criteria in five stages after continuous use, and / "it is very good"] "to be bad" as one point for that five it is points and "it being good" having used four points and "to usually have no three points and "change" as two points. ["] The result is shown in Table 4.

[0016]

[Table 4]

評価項目	比較例2	実施例7	実施例8
荒肌の改善	3．0	4．2	4．5
きめ	2．9	3．8	4．6
色艶	3．0	4．1	4．6
肌の張り	2．9	4．4	4．3
清浄効果	2．9	4．2	4．8
保湿効果	3．0	4．1	4．5
安眠効果	3．0	4．1	4．6

[0017] The examples 7 and 8 which are the bath constituents of this invention so that clearly from Table 4 are excellent in all items compared with the example 2 of comparison. That is, the bath constituent of this invention is excellent in the beautiful skin effect and the skin pure effect.

[0018] **** Escherichia coli to a bouillon agar medium, a petri dish is solidified by carrying out, and sterile **** with a diameter of 1cm is carried on it. 0.5ml of samples was dropped in the mouth paper by the conventional method, it cultivated at 37 degrees C for 48 hours, and antimicrobial activity was examined with the size of a prevention usual state. those with antimicrobial activity -- "+" -- those without "**" antimicrobial activity are displayed a little for a dovetail as "-" The sample dissolved each bath constituent in sterile water, respectively. The result is shown in Table 5.

[0019]

[Table 5]

	試料濃度 Wt%	抗菌力
比較例2	1．0	(−)
	0．1	(−)
	0．01	(−)
実施例7	1．0	(+)
	0．1	(+)
	0．01	(±)
実施例8	1．0	(+)
	0．1	(+)
	0．01	(+)

[0020] The bath constituents 7 and 8 of this invention have antimicrobial activity to Escherichia coli clearly so that clearly from Table 5. In addition, the same examination was carried out also to the staphylococcus and antimicrobial activity is accepted. This proves that there is a pure effect as opposed to [from the field of a microorganism] the skin in the bath constituent of this invention.

[0021]

[Effect of the Invention] It is clear to offer the useful bath constituent which was described above and which this invention gives a wettability, flexibility, elasticity, and a glow, i.e., a beautiful skin effect, to the skin, and has a pure effect further like.

[Translation done.]